Please amend the claims as set forth below:

1. (Currently Amended) A method for providing location identification [[information]] **signals**, said location [[information corresponding to a]] **identification signals useful for determining** location of a mobile asset in a communication network, said method comprising:

waiting a predetermined period of time;

detecting the presence of radio frequency energy on a first channel; [[and]]

if said radio frequency energy is substantially less than a predetermined threshold, transmitting said location identification [[information]] **signals on said first channel:**

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if said radio frequency energy on said first channel is not substantially less than said threshold detecting the presence of radio frequency energy on a second channel; and

if radio frequency energy on said second channel is substantially less than a predetermined threshold, transmitting said location identification information on said second channel.

2. (Original) The method of claim 1 wherein said transmitting comprises transmitting an 802.11 data packet.

3. (Canceled)

4. (Canceled)

5. (Original) The method of claim 1 wherein said detecting comprises using an energy detector.

6. (Original) The method of claim 1 wherein said transmitting comprises transmitting asset identification information.

7, (Original) The method of claim 1 wherein said transmitting comprises transmitting at least one information sequence selected for time-of-arrival estimation.

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Currently Amended) A method for providing location identification [[information]] **signals**, said location [[information corresponding to a]] **identification signals useful for determining** location of a mobile asset in a communication network, said method comprising:

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receiving a wake-up signal from a transmitter in said network;

detecting the presence of radio frequency energy on a first channel in response to said wake-up signal;

if said radio frequency energy is substantially less than a predetermined threshold, transmitting said location identification signals on said first channel:

if said radio frequency energy on said first channel is not substantially less than said threshold detecting the presence of radio frequency energy on a second channel; and

if radio frequency energy on said second channel is substantially less than a predetermined threshold, transmitting said location identification signals on said second channel [[and transmitting said location identification information]].

12. (Original) The method of claim 11 wherein said transmitting comprises transmitting an 802.11 data packet.

13. (Currently Amended) The method of **claim** 11 wherein said transmitting comprises transmitting asset identification information.

14. (Original) The method of claim 11 wherein said transmitting comprises transmitting at least one information sequence selected for time-of-arrival estimation.

15. (Currently Amended) A [[system]] **mobile unit** for providing location identification [[information]] **signals**, said location [[information corresponding to a]] **identification signals useful for determining** location of a mobile asset in a communication network, said [[system]] **mobile unit** comprising:

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a transmitter;

[[means]] **a controller** for delaying a predetermined period of time;

[[means for detecting radio frequency energy on a first channel; and

means for transmitting said location identification information on said first channel]]

a receiver for detecting the presence of radio frequency energy on a first channel in response to said controller;

wherein said controller is responsive to said receiver if said radio frequency energy is substantially less than a predetermined threshold, to cause said transmitter to transmit said location identification signals on said first channel:

wherein said controller is responsive to said receiver if said radio frequency energy on said first channel is not substantially less than said threshold to cause said receiver to detect the presence of radio frequency energy on a second channel; and

wherein said controller is responsive to said receiver if radio frequency energy on said second channel is substantially less than a predetermined threshold, to cause said transmitter to transmit said location identification signals on said second channel.

16. (Currently Amended) The [[system]] **mobile unit** of claim 15 wherein said [[means for transmitting]] **transmitter** is configured to transmit an 802.11 data packet.

17. (Canceled)

18. (Currently Amended) The [[system]] **mobile unit** of claim 15 wherein said [[means for detecting]] **receiver** comprises an energy detector.

19. (Currently Amended) The [[system]] **mobile unit** of claim 15 wherein said [[means for transmitting]] **transmitter** is configured to transmit asset identification information.

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20. (Currently Amended) The [[system]] **mobile unit** of claim 15 wherein said [[means for transmitting]] **transmitter** is configured to transmit at least one information sequence selected for time-of-arrival estimation.

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (New) **A mobile unit for providing location identification signals, said location identification signals useful for determining location of a mobile asset in a communication network, said mobile unit comprising:**

a receiver;

a transmitter; and

a controller;

wherein said controller is responsive to wake up signals received by said receiver to operate said receiver to determine if radio frequency energy in a first channel is substantially less than a predetermined threshold, and to cause said transmitter to transmit

said location identification signals on said first channel if radio frequency energy in said first channel is substantially less than a predetermined threshold:

wherein said controller is responsive to said receiver if said radio frequency energy in said first channel is not substantially less than said threshold to cause said receiver to detect the presence of radio frequency energy in a second channel; and

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wherein said controller is responsive to said receiver, if radio frequency energy in said second channel is substantially less than a predetermined threshold, to cause said transmitter to transmit said location identification information on said second channel.